

NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

PARTNERSHIPS

EPA SITE PROGRAM

ACTIVITIES INVOLVED

EPA Office of Solid Waste and Emergency Response (OSWER)

EPA Office of Research and Development (ORD)

STATUS

Active

MISSION

Encourage the development and implementation of innovative treatment technologies for hazardous waste site remediation, monitoring, and measurement

PARTNERSHIP DESCRIPTION

The Superfund Innovative Technology Evaluation (SITE) Program was established by EPA in response to the 1986 Superfund Amendments and Reauthorization Act (SARA) which recognized the need for an "alternative or innovative treatment technology research and demonstration program." The SITE Program is administered by ORD's National Risk Management Research Laboratory (NRMRL) and has four component programs. Through the SITE Program, demonstrations of promising innovative technologies provide reliable performance, cost, and applicability information for site cleanup decision-making.

In support of NELP's vision to serve as a test bed for new and innovative technologies, NAS North Island is collaborating with the SITE program to demonstrate cleanup technologies at NAS North Island Installation Restoration sites. SITE technology demonstrations at Navy sites are beneficial since the SITE Program provides funding for the demonstration. If the technology is successful, the Navy can save money that otherwise would have been spent on a traditional remedial alternative. Recent SITE Demonstration projects at NAS North Island include the NoVOCs™ In-Well Stripping Technology.

BENEFITS

- Avoids duplication of effort
- Facilitates sharing of information such as potential problems, expertise, and contacts
- Combines financial and intellectual resources

ACCOMPLISHMENTS

Date	Activity
NOV 1993	Terra-Kleen soil washing treatability study completed using soil from NAS North Island
JUN 1994	Terra-Kleen soil washing demonstration completed at NAS North Island
SEP 1994	Sevenson Maectite Fixation bench-scale treatability study conducted at NAS North Island
OCT 1994	Zenon pervaporation demonstration completed at NAS North Island
MAR 1998	NoVOCs™ demonstration data collection began
APR 1999	Complete NoVOCs™ demonstration project

CURRENT STATUS/FUTURE PLANS

Date	Activity
Ongoing	Continue to identify collaboration opportunities

COLLABORATION/TECHNOLOGY TRANSFER

Joint NELP/SITE Program technology demonstrations benefit both EPA and the Navy so that demonstration results reach a wider audience. As part of a previous NELP/SITE Program partnership, the Terra-Kleen soil washing technology was demonstrated at NAS North Island. Due to the success of the demonstration, the technology was selected to treat contaminated soils at 3 other NAS North Island Installation Restoration sites. It is estimated that the Terra-Kleen technology saved the Navy more than \$5,000,000 in treatment costs compared to off-site incineration options.

BIBLIOGRAPHY

- [SITE Program Description Web Page](#) updated September 24, 1998

RELATED GOVERNMENT INTERNET SITES

[SITE Program Description Web Page](#)

[SITE Program Home Web Page](#)

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